

**Table A1:** Mean maximum wave height (H\_Max) and water velocity (V\_Max) at shoreline calculated for selected settlements.

Settlement	Shapefile polygon centroid coordinate, in terms of Datum 2000, NZTM.		Chile_MHWS	Chile_MHWS	Chile_MHWS+50cm		TK8.5_MHWS		TK8.5_MHWS+50cm		TK9.0_MHWS		TK9.0_MHWS+50cm	
	X	Y			H_Max	V_Max	H_Max	V_Max	H_Max	V_Max	H_Max	V_Max	H_Max	V_Max
Ahipara	1612815	6108060	1.57	0.09	1.87	0.08	3.64	2.09	4.23	2.04	7.30	4.32	7.80	4.35
Bland Bay	1723438	6088101	1.45	0.15	1.75	0.15	3.36	1.58	3.87	1.60	8.61	3.68	9.06	3.65
Cable Bay	1644618	6127923	2.12	0.11	2.41	0.11	3.14	0.57	3.64	0.55	7.70	1.94	8.14	1.78
Coopers Beach	1646820	6128120	2.10	0.07	2.39	0.07	3.12	0.55	3.62	0.52	7.40	1.55	7.91	1.42
Helena Bay	1723724	6077912	1.70	0.61	1.92	0.46	5.11	1.91	5.59	1.68	14.12	4.37	14.58	4.38
Hihi	1649036	6130166	2.07	0.15	2.36	0.12	2.79	1.63	3.28	1.52	6.31	2.76	6.77	2.79
Houhora	1611327	6148470	1.72	0.71	1.98	0.71	1.95	1.10	2.53	1.18	3.48	2.21	4.08	2.31
Langs Beach	1738395	6009948	2.90	0.59	3.19	0.55	2.72	1.06	3.17	1.08	5.95	2.16	6.37	2.07
Mangawhai	1743405	6004200	2.61	0.98	2.91	1.05	1.98	1.13	2.52	1.36	5.47	1.63	5.94	1.67
Mangonui	1648487	6128133	1.85	0.72	2.13	0.77	2.70	1.80	3.10	1.69	5.93	3.86	6.30	3.84
Marsden Point	1734487	6032355	2.64	1.57	2.95	1.58	1.81	1.02	2.38	0.97	3.33	2.02	3.81	2.02
Matapouri	1736920	6063363	1.63	0.27	1.95	0.26	3.53	2.34	3.98	2.27	6.16	2.67	6.70	2.64
Ngunguru	1737235	6055081	1.81	0.17	2.10	0.16	3.54	1.68	4.04	1.59	8.97	3.37	9.44	3.39
Oakura Ohawini	1722096	6083778	1.55	0.66	1.86	0.64	3.08	1.89	3.55	1.90	7.88	3.97	8.31	3.93
Omapere	1635255	6069263	1.19	0.32	1.47	0.32	2.77	1.94	3.21	1.90	5.72	4.37	6.15	4.23
Opuā & Okiato	1701437	6091713	2.19	1.13	2.46	1.16	2.05	1.55	2.56	1.50	3.89	3.52	4.45	3.43

Settlement	Shapefile polygon centroid coordinate, in terms of Datum 2000, NZTM.		Chile_MHWS H_Max	Chile_MHWS V_Max	Chile_MHWS+50cm		TK8.5_MHWS H_Max	TK8.5_MHWS V_Max	TK8.5_MHWS+50cm		TK9.0_MHWS H_Max	TK9.0_MHWS V_Max	TK9.0_MHWS+50cm	
	X	Y			H_Max	V_Max			H_Max	V_Max			H_Max	V_Max
Paihia	1699995	6093706	2.26	0.83	2.50	0.78	2.31	1.28	2.89	1.24	5.02	3.03	5.73	2.97
Pataua	1737771	6047426	1.83	0.13	2.13	0.12	3.19	0.86	3.67	0.79	8.02	1.99	8.48	1.90
Rangiputa	1627423	6139133	1.63	1.02	1.91	1.05	2.37	1.80	2.91	1.74	4.63	4.08	5.28	4.07
Ruakaka	1732231	6027229	3.02	0.64	3.32	0.61	2.24	0.98	2.79	0.95	6.22	2.23	6.89	2.24
Russell	1702300	6098035	1.93	0.59	2.23	0.58	2.31	1.22	2.79	1.27	4.98	3.20	5.46	3.20
Taipa	1642256	6127893	2.13	0.47	2.42	0.50	3.24	1.05	3.73	1.00	7.94	2.58	8.36	2.44
Taupo Bay	1665005	6127421	1.62	0.10	1.91	0.06	4.77	1.91	4.97	1.79	11.19	3.53	11.60	3.58
Tauranga Bay	1671606	6126148	1.63	0.17	1.92	0.17	4.14	1.90	4.61	1.79	10.30	3.49	10.71	3.41
Te Ngairi	1679131	6124390	1.53	0.11	1.82	0.10	4.90	2.32	5.31	2.36	10.80	3.91	11.43	3.87
Tokerau	1635130	6140029	2.33	0.22	2.61	0.21	2.84	1.57	3.32	1.55	6.43	3.19	6.88	3.18
Tutukaka Mouth	1739490	6057323	1.68	0.34	1.98	0.34	2.44	0.81	2.93	0.79	5.12	2.12	5.60	2.08
Waipu Cove	1735270	6012675	2.96	0.51	3.24	0.49	2.77	1.06	3.25	1.01	6.48	1.79	6.99	1.72
Waitangi	1698510	6096262	2.13	0.85	2.37	0.60	2.62	1.83	3.21	1.62	5.34	4.21	6.00	4.18
Whananaki	1733171	6068544	1.74	0.25	2.06	0.18	5.96	3.15	6.53	3.15	14.74	4.97	15.00	4.96
Whangarei Heads	1737642	6033470	2.81	1.20	3.10	1.19	2.18	0.49	2.68	0.51	3.83	1.11	4.12	1.20
Whangaruru North	1723063	6087095	1.45	0.52	1.79	0.54	2.98	1.30	3.51	1.27	8.06	3.51	8.60	3.36